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Search Results -

Term	Documents
"APPLYING CELLS".DWPI,TDBD,EPAB,JPAB,USPT,PGPB.	0
(3 AND "APPLYING CELLS").USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	4
(L3 AND "APPLYING CELLS").USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	4

Database: US Patents Full-Text Database; US Pre-Grant Publication Full-Text Database; JPO Abstracts Database; EPO Abstracts Database; Derwent World Patents Index; IBM Technical Disclosure Bulletins

Search: L4

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Search History

DATE: Monday, February 24, 2003 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=OR			
L4	L3 and "applying cells"	4	L4
L3	L2 and "protein"	14	L3
L2	L1 and "channel"	39	L2
L1	"patterning cells" and "masks"	56	L1

END OF SEARCH HISTORY

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      INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI,
      BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA,
      CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB,
      DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 11:26:29 ON
      24 FEB 2003
                 SEA PATTERN?(W)CELL? AND CHANNEL? AND PROTEIN? AND APPLYING(W)C
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                1    FILE IFIPAT
                4    FILE USPATFULL
L1               QUE PATTERN?(W) CELL? AND CHANNEL? AND PROTEIN? AND APPLYING(W)
                ---------

      FILE 'IFIPAT, USPATFULL' ENTERED AT 11:33:06 ON 24 FEB 2003
L2             5 S L1
L3             4 DUP REM L2 (1 DUPLICATE REMOVED)

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2 FILES HAVE ONE OR MORE ANSWERS,    65 FILES SEARCHED IN STNINDEX

L1    QUE PATTERN?(W) CELL? AND CHANNEL? AND PROTEIN? AND APPLYING(W) CELL?

=> file ifipat uspatfull
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
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FILE 'IFIPAT' ENTERED AT 11:33:06 ON 24 FEB 2003
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=> s l1
L2            5 L1

=> dup rem l2
PROCESSING COMPLETED FOR L2
L3            4 DUP REM L2 (1 DUPLICATE REMOVED)

=> d 1-4

L3   ANSWER 1 OF 4  USPATFULL
AN     2003:51231  USPATFULL
TI      Device for monitoring cell motility in real-time
IN     Kim, Enoch, Boston, MA, UNITED STATES
       Kirk, Gregory L., Winchester, MA, UNITED STATES
       Schueller, Olivier, Somerville, MA, UNITED STATES
       Ostuni, Emanuele, Watertown, MA, UNITED STATES
PI     US 2003036188      A1   20030220
AI     US 2002-206111     A1   20020729 (10)
RLI    Continuation-in-part of Ser. No. US 2000-709776, filed on 8 Nov 2000,
       PENDING
PRAI   US 2001-307886P     20010727 (60)
       US 2001-323742P     20010921 (60)
       US 2001-328103P     20011011 (60)
       US 2001-330456P     20011022 (60)
       US 2001-334548P     20011203 (60)
       US 2002-363355P     20020312 (60)
       US 2002-374799P     20020424 (60)
DT     Utility
FS     APPLICATION
LN.CNT 3416
INCL   INCLM: 435/288.400
       INCLS: 435/305.200; 422/102.000
NCL    NCLM:  435/288.400
       NCLS:  435/305.200; 422/102.000
IC     [7]
       ICM: C12M001-34
       ICS: C12M001-22

L3   ANSWER 2 OF 4  USPATFULL
AN     2003:44738  USPATFULL
TI     Device for arraying biomolecules and for monitoring cell motility in
       real-time
IN     Kim, Enoch, Boston, MA, UNITED STATES
       Kirk, Gregory L., Winchester, MA, UNITED STATES
       Schueller, Olivier, Somerville, MA, UNITED STATES
       Ostuni, Emanuele, Watertown, MA, UNITED STATES
PI     US 2003032048      A1   20030213
AI     US 2002-206536     A1   20020729 (10)
RLI    Continuation-in-part of Ser. No. US 2000-709776, filed on 8 Nov 2000,
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PENDING
PRAI US 2001-307886P 20010727 (60)
US 2001-323742P 20010921 (60)
US 2001-328103P 20011011 (60)
US 2001-330456P 20011022 (60)
US 2001-334548P 20011203 (60)
US 2002-363355P 20020312 (60)
US 2002-374799P 20020424 (60)
DT Utility
FS APPLICATION
LN.CNT 3366
INCL INCLM: 435/006.000
INCLS: 435/287.200; 427/002.110; 347/084.000
NCL NCLM: 435/006.000
NCLS: 435/287.200; 427/002.110; 347/084.000
IC [7]
ICM: C12Q001-68
ICS: B05D003-00; B41J002-17; C12M001-34

L3 ANSWER 3 OF 4 USPATFULL
AN 2003:42886 USPATFULL
TI Method of making device for arraying biomolecules and for monitoring cell motility in real-time
IN Kim, Enoch, Boston, MA, UNITED STATES.
Kirk, Gregory L., Winchester, MA, UNITED STATES
Schueller, Olivier, Somerville, MA, UNITED STATES
Ostuni, Emanuele, Watertown, MA, UNITED STATES
PI US 2003030184 A1 20030213
AI US 2002-206329 A1 20020729 (10)
RLI Continuation-in-part of Ser. No. US 2000-709776, filed on 8 Nov 2000, PENDING
PRAI US 2001-307886P 20010727 (60)
US 2001-323742P 20010921 (60)
US 2001-328103P 20011011 (60)
US 2001-330456P 20011022 (60)
US 2001-334548P 20011203 (60)
US 2002-363355P 20020312 (60)
US 2002-374799P 20020424 (60)
DT Utility
FS APPLICATION
LN.CNT 3306
INCL INCLM: 264/325.000
INCLS: 435/288.400; 156/242.000
NCL NCLM: 264/325.000
NCLS: 435/288.400; 156/242.000
IC [7]
ICM: B29C043-00

L3 ANSWER 4 OF 4 IFIPAT COPYRIGHT 2003 IFI DUPLICATE 1
AN 10055723 IFIPAT;IFIUDB;IFICDB
TI CELL PATTERNING TECHNIQUE
IN Duffy David C; Jackman Rebecca J; Kane Ravi; Ostuni Emanuele; Whitesides George M
PA Unassigned Or Assigned To Individual (68000)
PI US 2001055882 A1 20011227
AI US 2001-808745 20010315
PRAI US 2000-190399P 20000317 (Provisional)
FI US 2001055882 20011227
DT Utility; Patent Application - First Publication
FS CHEMICAL
APPLICATION
CLMN 45
GI 16 Figure(s).
FIG. 1 shows a schematic diagram of lift-off membrane (masking system)

patterning to **pattern cells** onto a surface of an article according to the invention;

FIG. 2 shows a schematic diagram for lift-off membrane patterning involving a pre-coated masking system according to the invention;

FIG. 3 shows a schematic diagram for the fabrication of a masking system for use in the invention;

FIG. 4 shows a photocopy of a scanning electron micrograph of a masking system for use in the invention having **channels** shaped as holes having a diameter of about 100 mu m;

FIG. 5A shows a photocopy of a fluorescence micrograph displaying comparative results of completely coating a substrate with a cell-adhesion **protein** followed by the addition of cells over the entire assembly;

FIG. 5B shows a photocopy of a fluorescence micrograph of the cells adhered selectively to the surface of the substrate;

FIG. 6A shows a photocopy of a fluorescence micrograph displaying a pattern of fibronectin after peeling the masking system in a process of the invention;

FIG. 6B shows a photocopy of a fluorescence micrograph displaying a pattern of cells adhered to circular islands of fibronectin of FIG. 6A.

FIG. 7A shows a photocopy of an optical micrograph of cells patterned on circular islands having a diameter of about 100 mu m according to the invention;

FIG. 7B shows a photocopy of an optical micrograph of cells patterned on square islands having a sides of a length of about 100 mu m according to the invention;

FIG. 8A shows a photocopy of a phase-contrast micrograph and a fluorescence micrograph of cells patterned with a BSA precoated membrane for features having a diameter of 250 mu m in a process of the invention;

FIG. 8B shows a photocopy of a phase-contrast micrograph and a fluorescence micrograph of cells patterned without a BSA precoated membrane for features having a diameter of 250 mu m;

FIG. 8C shows a phase-contrast micrograph and a fluorescence micrograph of cells patterned with a BSA pre-coated membrane for features having a diameter of 100 mu m;

FIG. 8D shows a phase-contrast micrograph and a fluorescence micrograph of cells patterned without a BSA pre-coated membrane for features having a diameter of 100 mu m;

FIG. 8E shows a phase-contrast micrograph of a surface of the membrane removed from the process of FIG. 8B, showing attached cells; and

FIGS. 9A-D show photocopies of scanning electron micrographs displaying the results of cell spreading after (a) 7 h, (b) 8.2 h, (c) 9.5 h, and (d) 11 h.

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